

Supplementary material

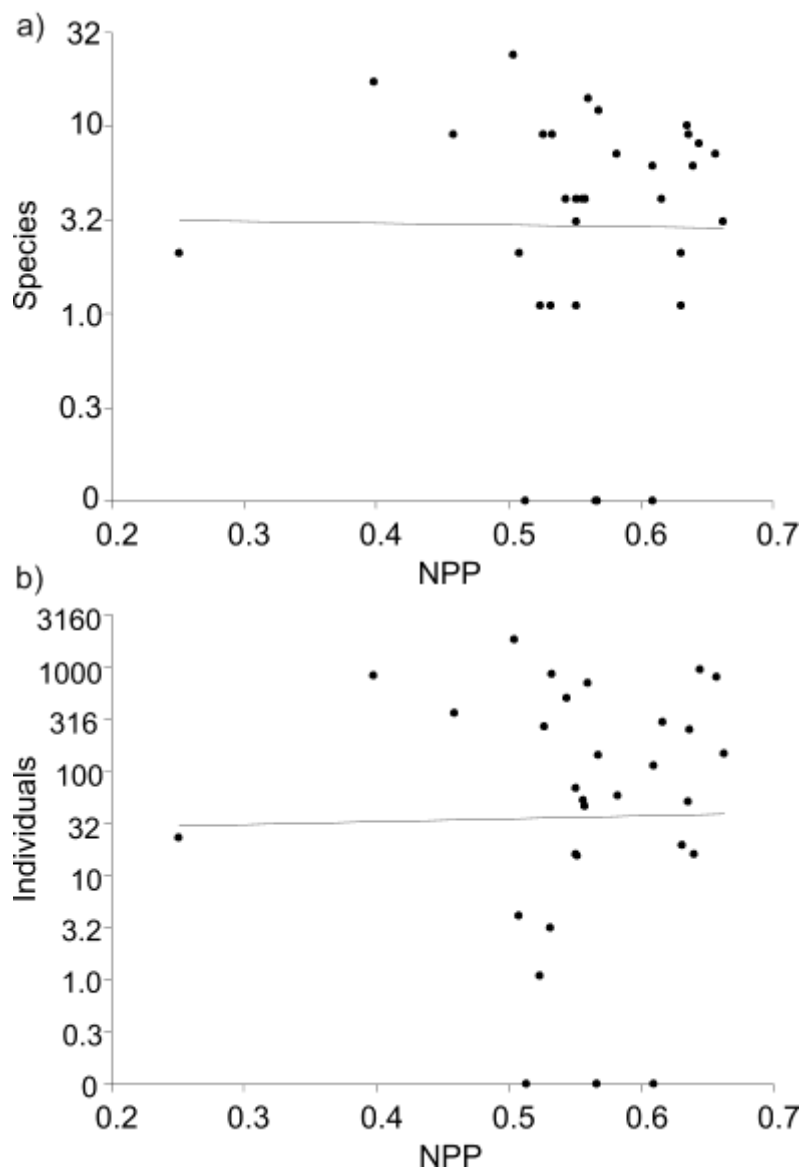


Figure S1: Correlation of ant species richness (a) and individual density (b) with NPP. Y-axes are shown as log-scales, trendlines are shown over all field sites.

Table S1: Coverage in % per site and habitat type. Coverage is calculated as number of species sampled divided by the abundance based coverage estimator (ACE). Missing values represent sites where no ants have been sampled.

Site	Country	Habitat	ACE	Coverage
Abisko	Sweden	Scrubland	2	100
Berkshire	UK	Arable land	1	100
Berkshire	UK	Scrubland	18	50
Bern	Switzerland	Arable land	1	100
Bern	Switzerland	Forest	2	100
Cluj	Romania	Arable land	16	76.68
Cluj	Romania	Scrubland	15	96.55
Denmark	Denmark	Arable land	3	97.40
Denmark	Denmark	Forest	8	49.44
Galway	Ireland	Scrubland	8	52.15
Galway	Ireland	Grassland	1	100
Garraf	Spain	Arable land	4	100
Garraf	Spain	Forest	8	85.68
Göttingen	Germany	Arable land		
Göttingen	Germany	Forest		
Ile de France	France	Arable land		
Ile de France	France	Forest	6	100
Krakow	Poland	Scrubland	7	100
Krakow	Poland	Grassland	3	100
Lesvos	Greece	Grassland	23	74.66
Meolo	Italy	Grassland	9	87.82
Meolo	Italy	Grassland	10	100
Tartu	Estonia	Arable land		
Tartu	Estonia	Forest	2	100
Toledo	Spain	Arable land	10	94.04
Toledo	Spain	Scrubland	25	96.74
Uppsala	Sweden	Arable land	1	100
Uppsala	Sweden	Scrubland	11	82.72
Vilnius	Lithuania	Arable land	4	100
Vilnius	Lithuania	Forest	4	100
Wien	Austria	Arable land	19	31.55
Wien	Austria	Forest	13	69.50

Table S2: Comparison of coverage between the four habitat types with Tukey HSD test. 'Difference' giving the difference in the observed means, 'Lower' giving the lower end point of the interval, 'Upper' giving the upper end point. P-values are given after adjustment for the multiple comparisons.

Habitats	Difference	Lower	Upper	p-value
Scrubland-Arable	-6.26	-34.70	22.18	0.929
Grassland-Arable	3.64	-27.83	35.12	0.988
Forest-Arable	-2.48	-30.92	25.96	0.995
Grassland-Scrubland	9.90	-23.14	42.95	0.841
Forest-Scrubland	3.78	-26.39	33.95	0.985
Forest-Grassland	-6.12	-39.17	26.92	0.956